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FILE 'HOME' ENTERED AT 08:10:37 ON 04 JUN 1998

=> fil reg

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STRUCTURE FILE UPDATES: 30 MAY 98 HIGHEST RN 206111-35-5
DICTIONARY FILE UPDATES: 3 JUN 98 HIGHEST RN 206111-35-5

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 14, 1998

Please note that search-term pricing does apply when conducting SmartSELECT searches.

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 1006 AND 2076

L1 SCREEN CREATED

=>

Uploading c:\stnexp4\queries\cl41.str

L2 STRUCTURE UPLOADED

=> que L2 AND L1

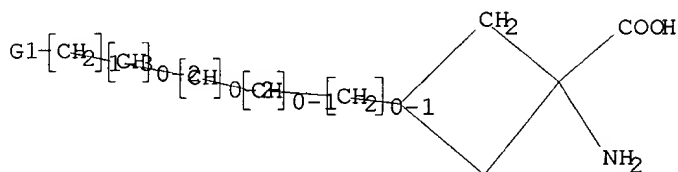
L3 QUE L2 AND L1

=> d

L3 HAS NO ANSWERS

L1 SCR 1006 AND 2076

L2 STR



G1 S,NH

Structure attributes must be viewed using STN Express query preparation.

L3 QUE ABB=ON PLU=ON L2 AND L1

=> s 13

SAMPLE SEARCH INITIATED 08:11:10

SAMPLE SCREEN SEARCH COMPLETED - 134 TO ITERATE

100.0% PROCESSED 134 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.03

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 1986 TO 3374

PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS SAM L2 AND L1

=> s 13 full

FULL SEARCH INITIATED 08:11:21

FULL SCREEN SEARCH COMPLETED - 2339 TO ITERATE

100.0% PROCESSED 2339 ITERATIONS

9 ANSWERS

SEARCH TIME: 00.00.05

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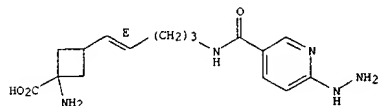
=> d 1-9

08/744,444

Page 3

L5 ANSWER 1 OF 9 REGISTRY COPYRIGHT 1998 ACS
 RN 191166-97-9 REGISTRY
 CN Cyclobutanecarboxylic acid, 1-amino-3-[5-[[[6-hydrazino-3-pyridinyl]carbonyl]amino]-1-pentenyl]-, (E)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C16 H23 N5 O3
 SR CA
 LC STN Files: CA, CAPLUS

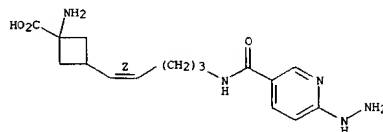
Double bond geometry as shown.



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 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

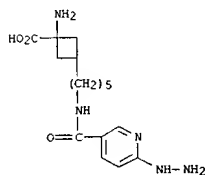
L5 ANSWER 2 OF 9 REGISTRY COPYRIGHT 1998 ACS
 RN 191166-96-8 REGISTRY
 CN Cyclobutanecarboxylic acid, 1-amino-3-[5-[[[6-hydrazino-3-pyridinyl]carbonyl]amino]-1-pentenyl]-, (Z)- (9CI) (CA INDEX NAME)
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 SR CA
 LC STN Files: CA, CAPLUS

Double bond geometry as shown.



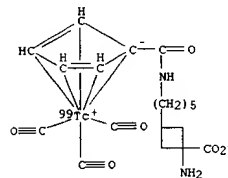
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 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L5 ANSWER 3 OF 9 REGISTRY COPYRIGHT 1998 ACS
 RN 191111-52-1 REGISTRY
 CN Cyclobutanecarboxylic acid, 1-amino-3-[5-[[[6-hydrazino-3-pyridinyl]carbonyl]amino]pentyl]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C16 H25 N5 O3
 SR CA
 LC STN Files: CA, CAPLUS



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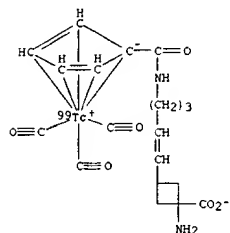
L5 ANSWER 4 OF 9 REGISTRY COPYRIGHT 1998 ACS
 RN 191111-50-9 REGISTRY
 CN Technetate(1-)-99Tc, [[1,2,3,4,5-eta.]-1-[[[5-(3-amino-3-carboxylatocyclobutyl)pentyl]amino]carbonyl]-2,4-cyclopentadien-1-yl]tricarbonyl-, hydrogen (9CI) (CA INDEX NAME)
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 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS



● H⁺

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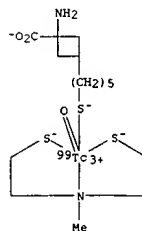
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 RN 191111-48-5 REGISTRY
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 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS



● H⁺

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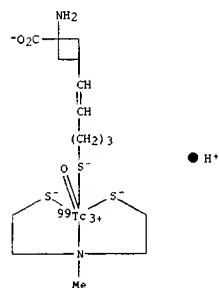
L5 ANSWER 6 OF 9 REGISTRY COPYRIGHT 1998 ACS
 RN 191111-42-9 REGISTRY
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 MF C15 H28 N2 O3 S3 Tc . H
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 SR CA
 LC STN Files: CA, CAPLUS



● H⁺

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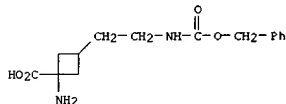
L5 ANSWER 7 OF 9 REGISTRY COPYRIGHT 1998 ACS
 RN 191111-39-4 REGISTRY
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 MF C15 H26 N2 O3 S3 Tc . H
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS



● H⁺

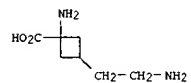
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L5 ANSWER 8 OF 9 REGISTRY COPYRIGHT 1998 ACS
 RN 184103-64-8 REGISTRY
 CN Cyclobutanecarboxylic acid, 1-amino-3-[2-[[[phenylmethoxy]carbonyl]amino]ethyl]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C15 H20 N2 O4
 SR CA
 LC STN Files: CA, CAPLUS, TOXLIT



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

LS ANSWER 9 OF 9 REGISTRY COPYRIGHT 1998 ACS
RN 184103-62-6 REGISTRY
CN Cyclobutanecarboxylic acid, 1-amino-3-(2-aminoethyl)- (9CI) (CA
INDEX NAME)
FS 3D CONCORD
MF C7 H14 N2 O2
SR CA
LC STN Files: CA, CAPLUS, TOXLIT



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> fil biosis medline uspatful embase caplus

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=> d his

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FILE 'REGISTRY' ENTERED AT 08:10:44 ON 04 JUN 1998

L1	SCREEN 1006 AND 2076
L2	STRUCTURE UPLOADED
L3	QUE L2 AND L1
L4	0 S L3
L5	9 S L3 FULL

FILE 'BIOSIS, MEDLINE, USPATFULL, EMBASE, CAPLUS' ENTERED AT
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=> s 15

L6 2 L5

=> d ibib ab hitstr 1-

YOU HAVE REQUESTED DATA FROM 2 ANSWERS - CONTINUE? Y/(N):y

L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 1998 ACS

ACCESSION NUMBER: 1997:436060 CAPLUS

DOCUMENT NUMBER: 127:51001

TITLE: Amino acid analogs for tumor imaging

INVENTOR(S): Goodman, Mark M.; Shoup, Timothy

PATENT ASSIGNEE(S): Emory University, USA

SOURCE: PCT Int. Appl., 81 pp.

CODEN: PIXX02

NUMBER

DATE

PATENT INFORMATION:

DESIGNATED STATES:

WO 9717092 A1 970515

W: AU, CA, JP

RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE,

IT, LU, MC, NL, PT, SE

APPLICATION INFORMATION: WO 96-US18455 961108

PRIORITY APPLN. INFO.: US 95-554906 951109

DOCUMENT TYPE: Patent

LANGUAGE: English

OTHER SOURCE(S): MARPAT 127:51001

AB Amino acid analogs $R_2C(H)C(CH_2R_1)C(NH_2)CO_2H$ [$R_1 = X$ (F, I, Br, or their radioisotopes, or Ac), XCH_2CH_2 , haloalkyl, or certain 99mTc-complex contg. residues; $R_2 = H$, haloalkyl, or certain 99mTc-complex contg. residues; $y = 1, 2$; $z = 1-4$] were prepd. for use in tumor imaging by positron emission tomog. An esp. preferred amino acid compd. is [18F]-1-amino-3-fluorocyclobutane-1-carboxylic acid (FACBC), which was prepd. from benzyl chloride, epichlorohydrin, and di-Et malonate. The distribution of radioactivity in tumor bearing rats was studied using FACBC.

IT 191111-39-4P 191111-42-9P 191111-48-5P

191111-50-9P 191111-52-1DP, complexes with

technetium-99 191166-96-8DP, complexes with technetium-99

191166-97-9DP, complexes with technetium-99

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL

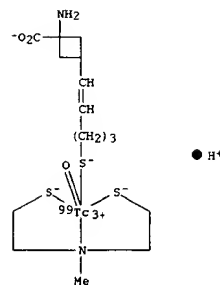
(Biological study); PREP (Preparation); USES (Uses)

(amino acid analogs for tumor imaging)

RN 191111-39-4 CAPLUS

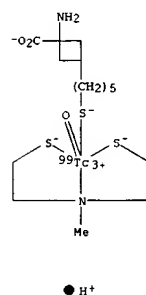
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L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 1998 ACS (Continued)



RN 191111-42-9 CAPLUS

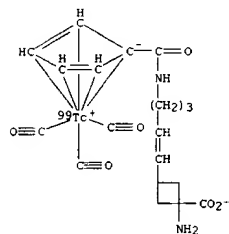
CN Technetate(1-)-99Tc, [1-amino-3-[5-(mercapto- κ .S)pentyl]cyclobutanecarboxylato(2-)] [[2,2'-(methylimino- κ .N)bis[ethanethiolato- κ .S]](2-)]oxo-, hydrogen (9CI) (CA INDEX NAME)



L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 1998 ACS (Continued)

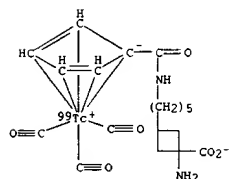
RN 191111-48-5 CAPLUS

CN Technetate(1-)-99Tc, [(1,2,3,4,5- κ .eta.)-1-[[5-(3-amino-3-carboxylatocyclobutyl)-4-pentenyl]amino]carbonyl]-2,4-cyclopentadien-1-yl]tricarbonyl-, hydrogen (9CI) (CA INDEX NAME)



RN 191111-50-9 CAPLUS

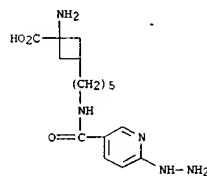
CN Technetate(1-)-99Tc, [(1,2,3,4,5- κ .eta.)-1-[[5-(3-amino-3-carboxylatocyclobutyl)pentyl]amino]carbonyl]-2,4-cyclopentadien-1-yl]tricarbonyl-, hydrogen (9CI) (CA INDEX NAME)



RN 191111-52-1 CAPLUS

L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 1998 ACS (Continued)

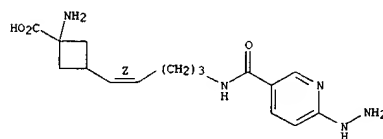
CN Cyclobutanecarboxylic acid, 1-amino-3-[5-[[[(6-hydrazino-3-pyridinyl)carbonyl]amino]pentyl]- (9CI) (CA INDEX NAME)



RN 191166-96-8 CAPLUS

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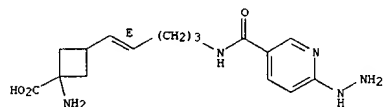
Double bond geometry as shown.



RN 191166-97-9 CAPLUS

CN Cyclobutanecarboxylic acid, 1-amino-3-[5-[[[(6-hydrazino-3-pyridinyl)carbonyl]amino]-1-pentenyl]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 1998 ACS

ACCESSION NUMBER: 1996:656704 CAPLUS

DOCUMENT NUMBER: 126:14319

TITLE: 1-Aminocyclobutanecarboxylic Acid Derivatives as Novel Structural Elements in Bioactive Peptides: Application to Tuftsin Analogs

AUTHOR(S): Gershonov, Eytan; Granoch, Ruth; Tzeheval, Esther; Gaoni, Yehiel; Fridkin, Mati

CORPORATE SOURCE: Department of Organic Chemistry, Weizmann Institute of Science, Rehovot, 76100, Israel

SOURCE: J. Med. Chem. (1996), 39(24), 4833-4843

CODEN: JMCHAR; ISSN: 0022-2623

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CJACS-IMAGE; CJACS

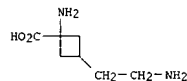
AB Four novel 2,4-methano amino acids (MAAs, 1-aminocyclobutane-1-carboxylic acids) were synthesized. These include the basic MAA analogs of lysine, ornithine, and arginine and the neutral methanovalline, related to proline. The above MAAs, as well as the MAA analog of homothreonine, were incorporated into the peptide chain of the immunomodulatory peptide tuftsin, Thr-Lys-Pro-Arg, known to enhance several biol. activities mediated by phagocytic cells. The synthetic methano tuftsin analogs were assayed for their ability to stimulate interleukin-6 (IL-6) secretion by mouse peritoneal macrophages and for their stability in human serum toward enzymic degrdn. It was found that, at 2 .times. 10⁻⁷ M, [MThr1]tuftsin and an isomer of [MVal3]tuftsin were considerably more active than the parent peptide in augmentation of cytokine release. [MOTrn2]Tuftsin was equally potent. The analogs [MThr1]tuftsin and [MOTrn2]tuftsin, both pertaining to the proteolytically sensitive Thr-Lys bond of tuftsin, exhibited high resistance to enzymic hydrolysis as compared to tuftsin. Using specific rabbit anti-tuftsin antibodies in a competitive ELISA revealed that none of the MAA analogs can cross-react with tuftsin. It may indicate that the peptides assume global structures different than that of tuftsin.

IT 184103-62-6P 184103-64-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation) (intermediate; prepn. and biol. activity of aminocyclobutanecarboxylic acid derivs. of tuftsin)

RN 184103-62-6 CAPLUS

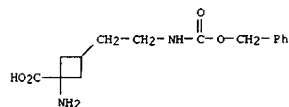
CN Cyclobutanecarboxylic acid, 1-amino-3-(2-aminoethyl)- (9C1) (CA INDEX NAME)



L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 1998 ACS (Continued)

RN 184103-64-8 CAPLUS

CN Cyclobutanecarboxylic acid, 1-amino-3-[[[(phenylmethoxy)carbonyl]amino]ethyl]- (9C1) (CA INDEX NAME)



=> log y

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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.03	-1.03

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